

COVID-Era Congestion Tracker

Tracking Congestion from Pre-Pandemic to Recovery



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Item 5
August 25, 2020

COVID Congestion Information for Decision-making



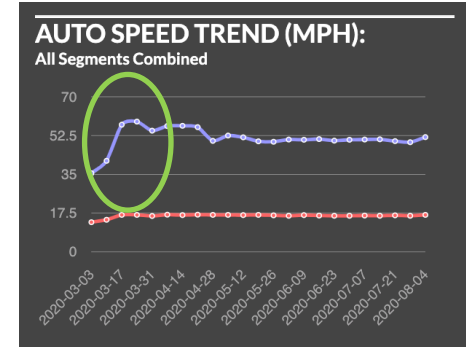
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- Shelter-in-place orders rapidly changed traffic patterns and congestion
- Traffic patterns and congestion continue to evolve
- Interactive map with weekly updates
 - Provides decision-makers with the ability to monitor changes in roadway congestion
 - AM & PM peak periods
 - Citywide and segment-level trends
 - Weekly updates
 - identify emerging congestion "hot spots" and appropriate management strategies

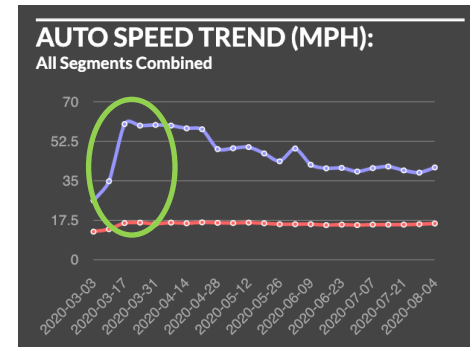
Data Source: INRIX

<https://covid-congestion.sfcta.org/>

AM SPEEDS



PM SPEEDS

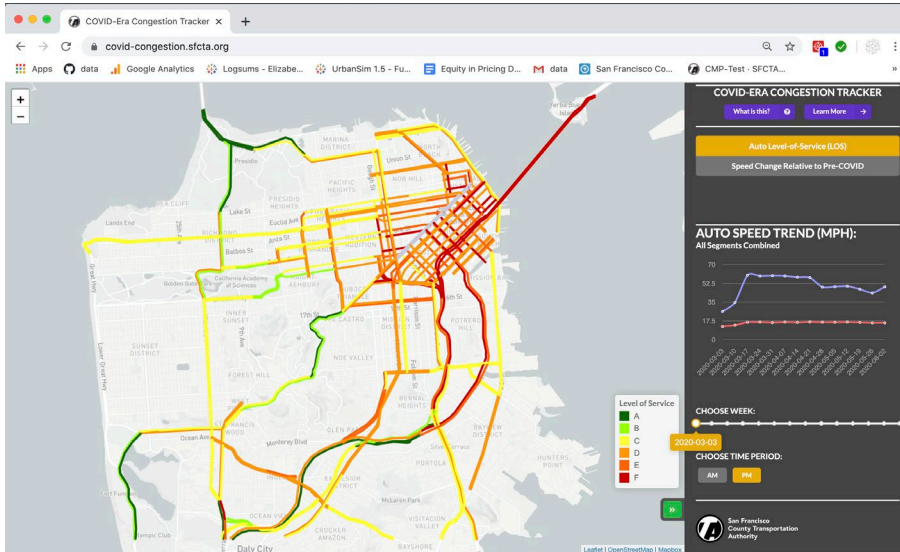


Congestion Diminished with Shelter-in-Place

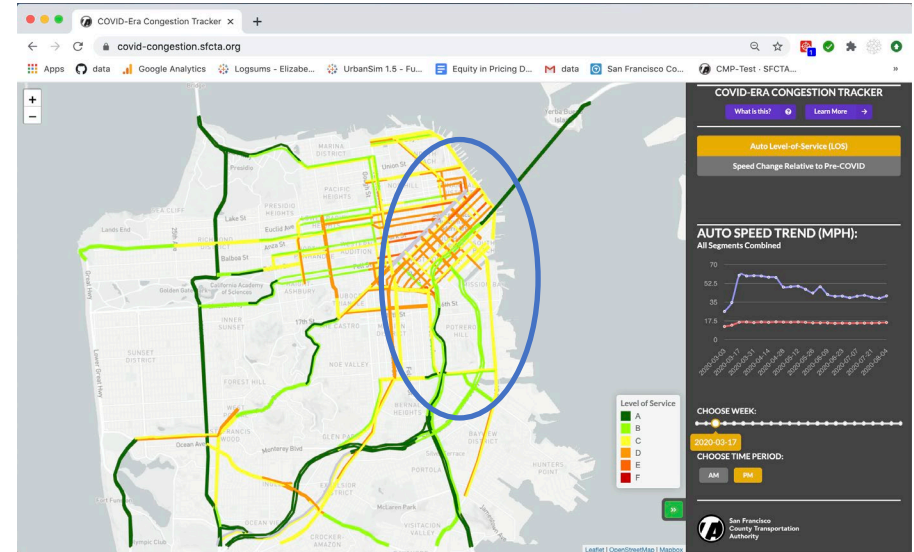


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BEFORE SHELTER-IN-PLACE (WEEK OF MARCH 3)



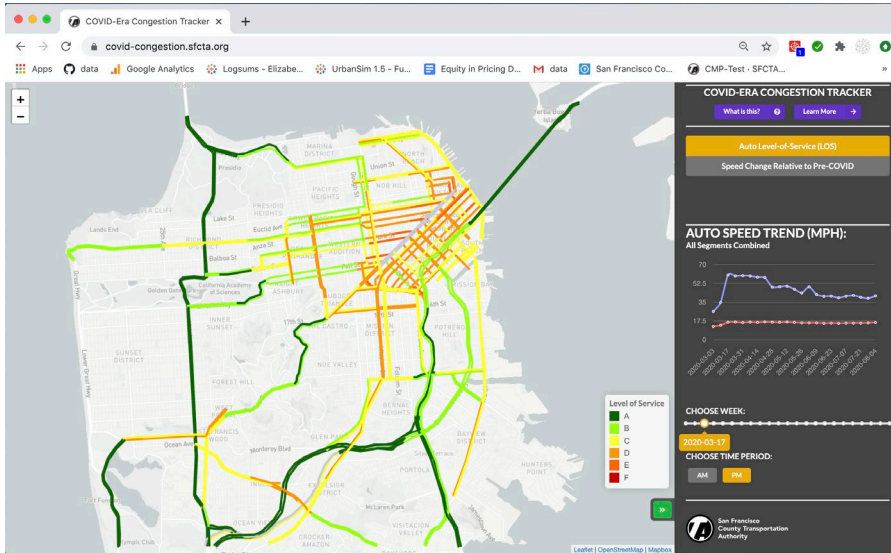
DURING SHELTER-IN-PLACE (WEEK OF MARCH 17)



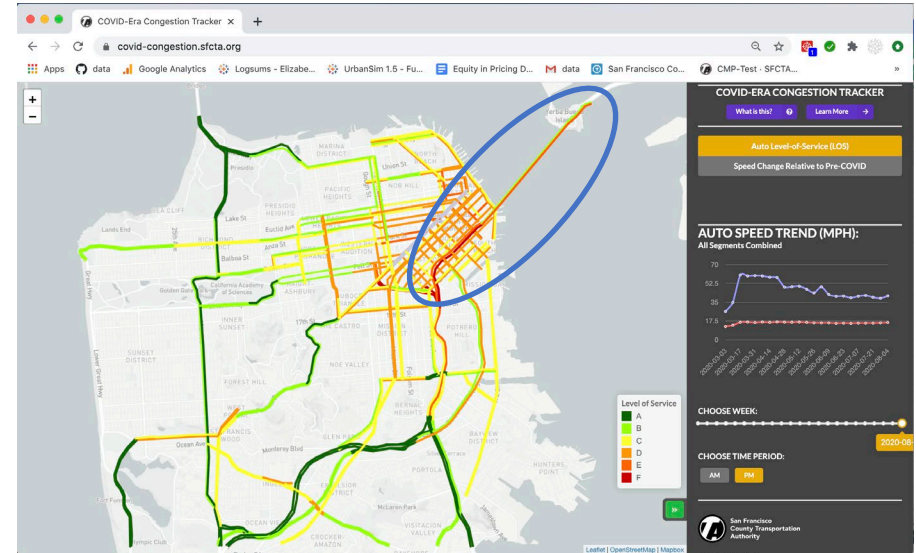
Congestion Returning with Re-opening



DURING SHELTER-IN-PLACE (WEEK OF MARCH 17)



DURING RE-OPENING (WEEK OF AUGUST 4)



Compare Speeds to Pre-Pandemic

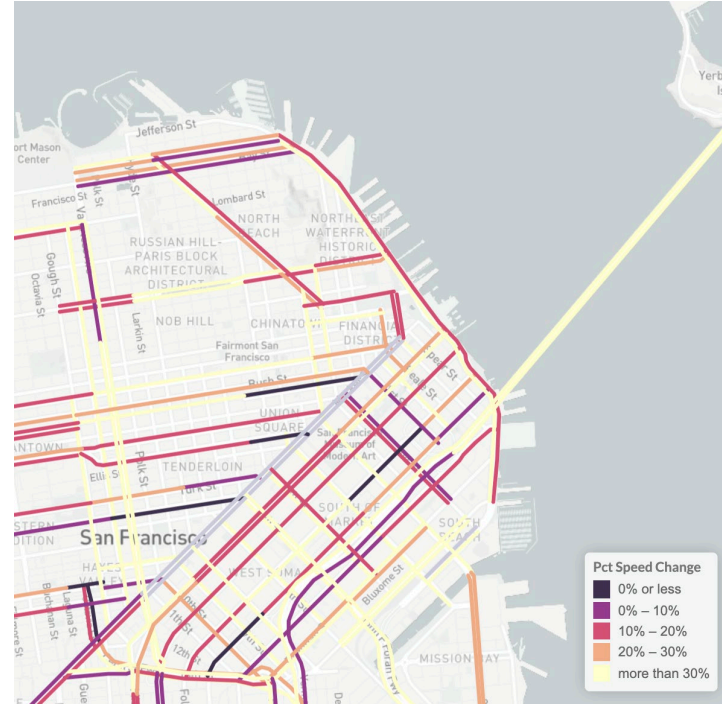


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DURING SHELTER-IN-PLACE (WEEK OF MARCH 17)



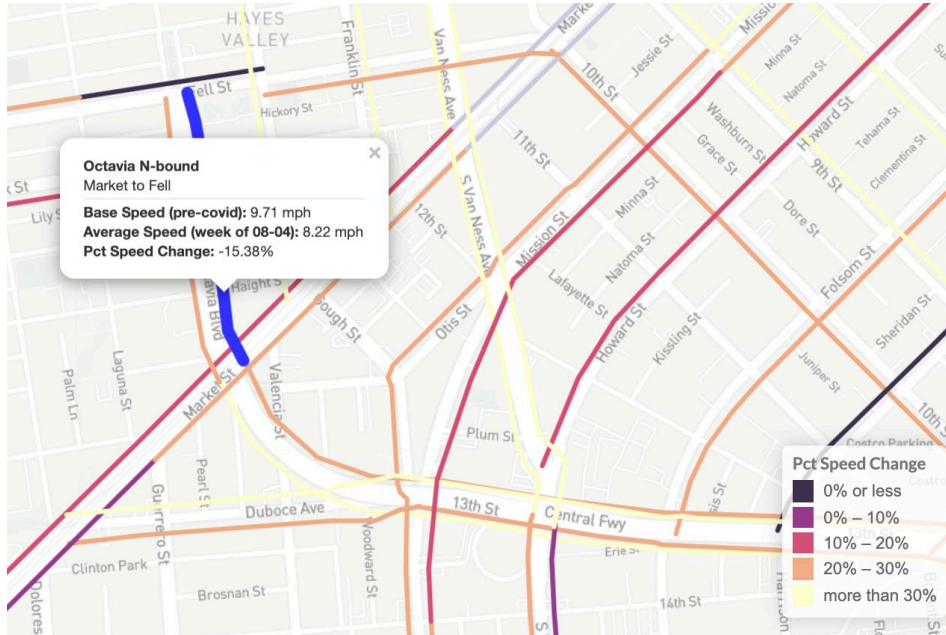
DURING RE-OPENING (WEEK OF JULY 7)



Provide Segment-Level Information

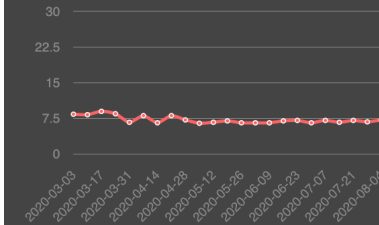


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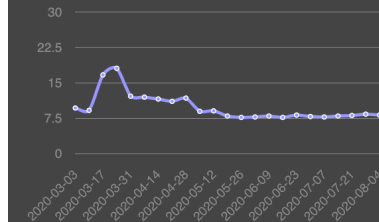
AM SPEEDS

AUTO SPEED TREND (MPH):
Octavia N-bound [Market to Fell]



PM SPEEDS

AUTO SPEED TREND (MPH):
Octavia N-bound [Market to Fell]



COVID Recovery Scenario Analysis



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- **Scenario testing** informs recovery planning and decision-making
- SF-CHAMP model estimates **transportation system performance** (congestion, ridership) based on changes in key assumptions about:

Economy

- Jobs
- Workforce participation

Transportation

- Transit service levels
- Vehicle capacities
- Fare collection
- Slow Streets
- Bus lanes
- Bike lanes
- Bridge tolls

Behavior

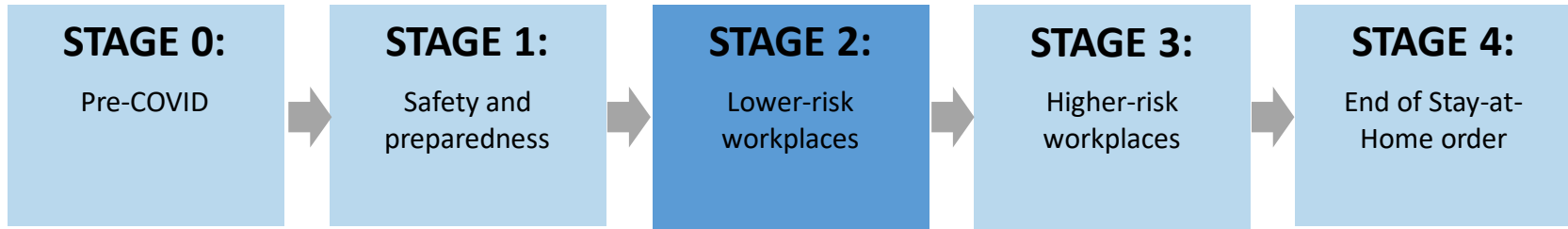
- Remote working
- Transit avoidance
- Amount of non-essential travel

Scenarios Aligned with SF & CA Reopening Stages

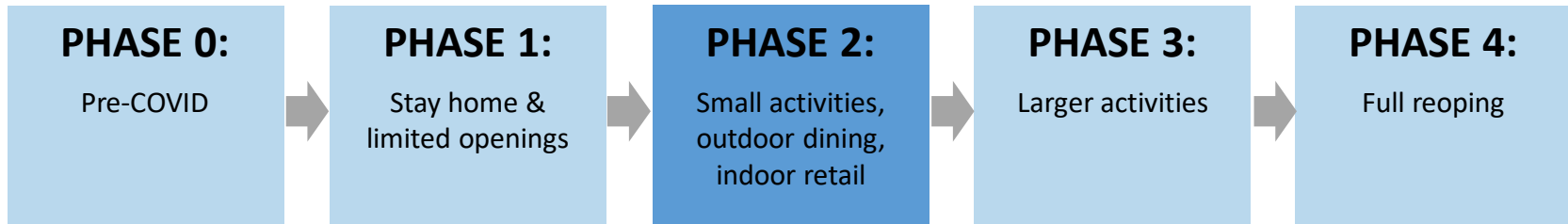


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COVID-19 RESILIANCE ROADMAP (STATE OF CALIFORNIA)



REOPENING SAN FRANCISCO (CITY OF SAN FRANCISCO)



Thank you

<https://covid-congestion.sfcta.org>



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